

No. 670,627.

Patented Mar. 26, 1901.

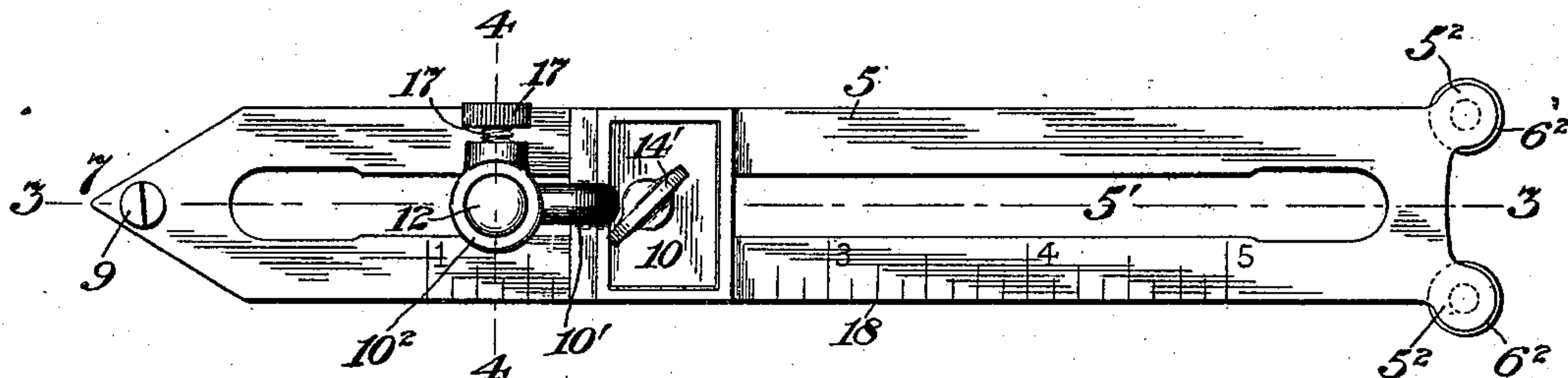
J. A. TRAUT & J. W. GERRY.

GAGE.

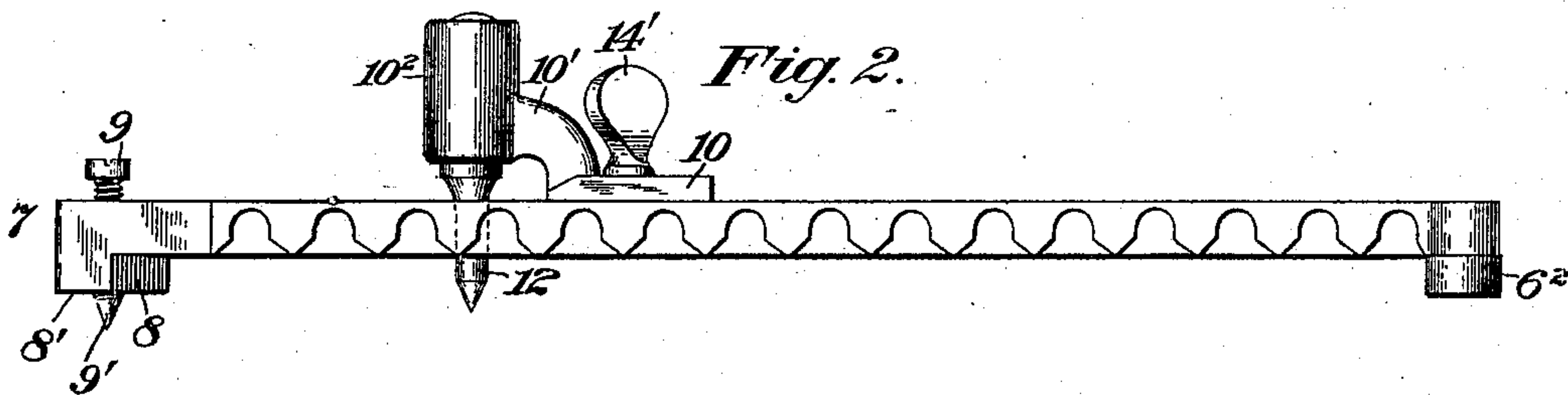
(Application filed July 25, 1900.)

(No Model.)

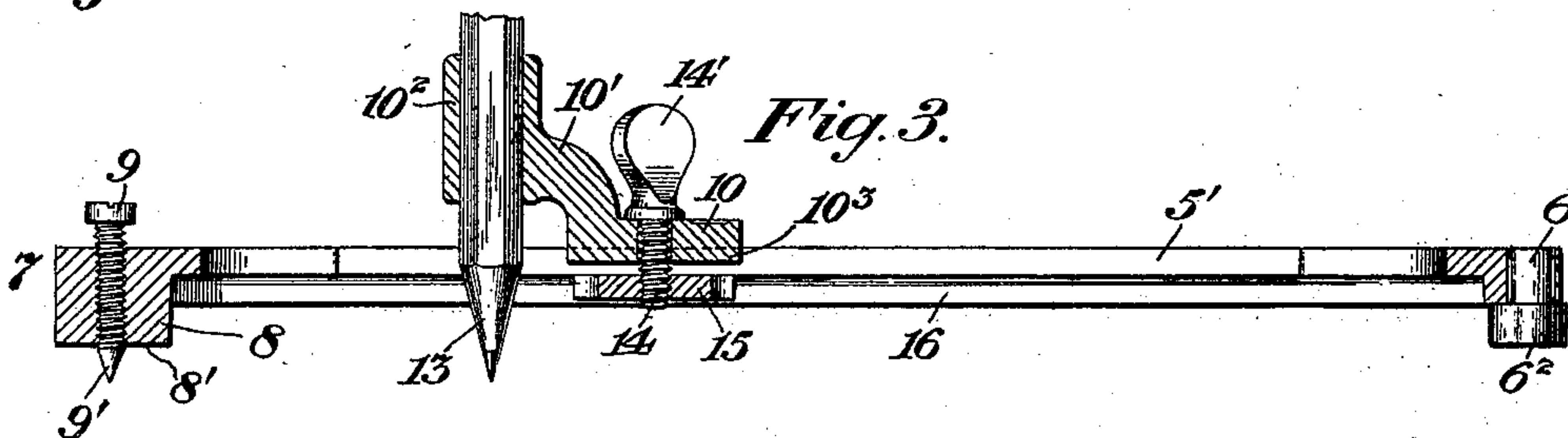
*Fig. 1.*



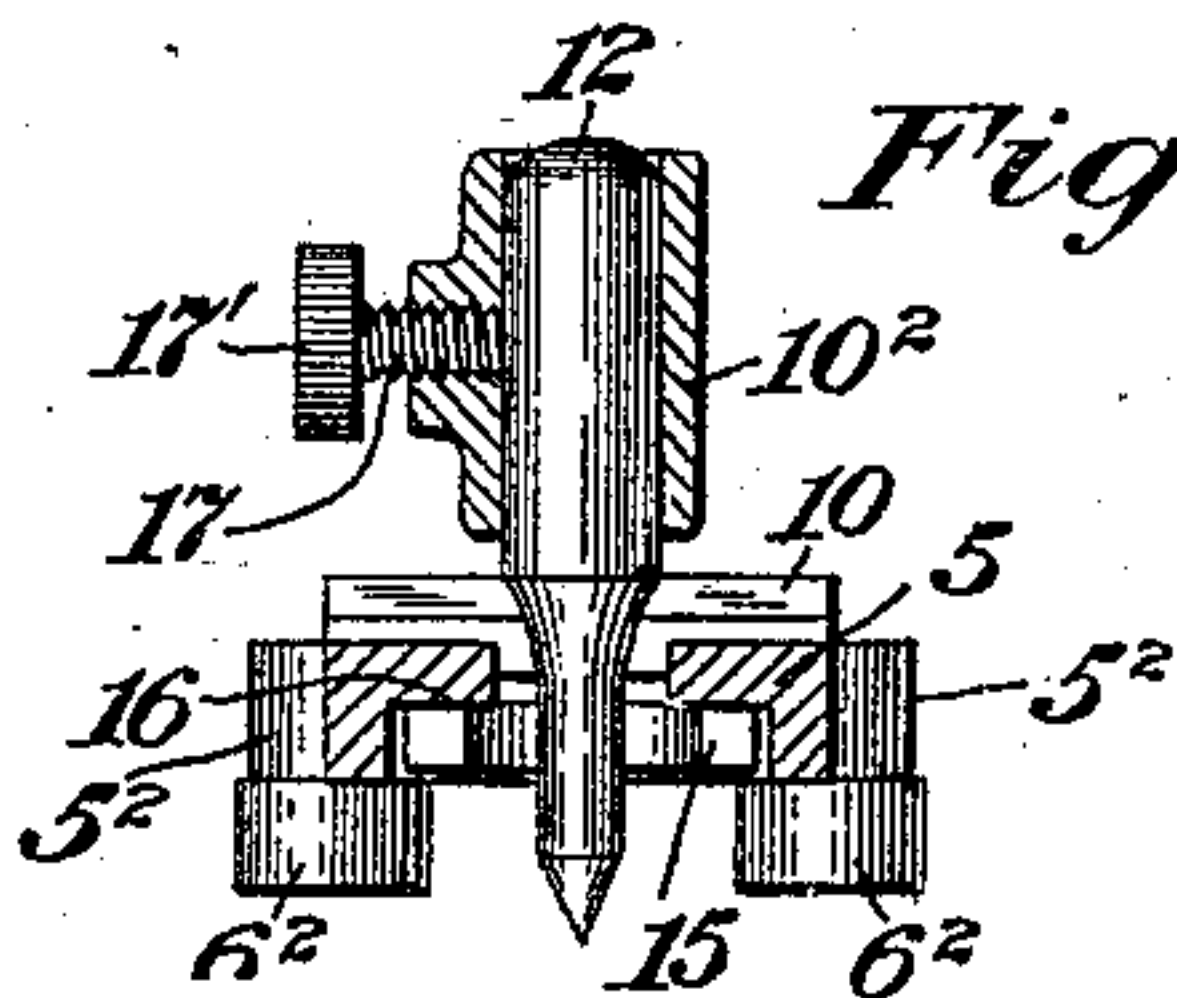
*Fig. 2.*



*Fig. 3.*



*Fig. 4.*



*Witnesses:*

*B. L. Edwards Jr.*  
*R. M. Altman*

*Inventors:*

*Justus A. Traut,*  
*John W. Gerry.*  
*By their Attorney,*

*F. H. Richards.*



# UNITED STATES PATENT OFFICE.

JUSTUS A. TRAUT, OF NEW BRITAIN, CONNECTICUT, AND JOHN W. GERRY,  
OF LYNN, MASSACHUSETTS, ASSIGNORS TO THE STANLEY RULE & LEVEL  
COMPANY, OF NEW BRITAIN, CONNECTICUT.

## GAGE.

SPECIFICATION forming part of Letters Patent No. 670,627, dated March 26, 1901.

Application filed July 25, 1900. Serial No. 24,841. (No model.)

*To all whom it may concern:*

Be it known that we, JUSTUS A. TRAUT, residing at New Britain, in the county of Hartford and State of Connecticut, and JOHN W. GERRY, residing at Lynn, in the county of Essex and State of Massachusetts, citizens of the United States, have invented certain new and useful Improvements in Gages, of which the following is a specification.

Our invention relates to gages, and particularly to that class of such devices employed by carpenters and others in marking off lines of work that will afterward be cut or sawed on said lines.

Our invention has for one of its objects the provision of an instrument of the class described in which the slide carrying the marking-tool may be reversed end for end in a slot of the gage body or carrier.

Further objects of the invention are the provision of graduations upon the top surface of the gage-body, of a screw having a pointed end in the front of said body, and of means at the rear of the gage-body for enabling the instrument to be swung around either the outside or inside configuration of a structure the contour of which it is desired to produce.

In the accompanying drawings, Figure 1 is a plan view of our improved gage. Fig. 2 is a side elevation thereof, showing a scribing-point or stylus fitted in the socket of the slide. Fig. 3 is a longitudinal vertical section on line 3 3, Fig. 1, illustrating a pencil held in the socket of the slide; and Fig. 4 is a transverse section of the improved implement on line 4 4, Fig. 1, looking toward the right.

Referring to the drawings, the numeral 5 designates the gage-body, which is formed with a longitudinal slot 5' and is provided at one end with ears or lugs 5<sup>2</sup>, containing pins 6, on which antifriction-rollers 6<sup>2</sup> are journaled. At its opposite end the gage-body is brought to a point at 7, or, in other words, is of V shape, and immediately beneath and constituting an extension of said point is a diamond or other shaped projection 8, having a flat under surface 8', located in the same horizontal plane as the bottom of the rollers

6<sup>2</sup>. As will be observed, this projection forms a V-shaped shoulder on the under side of the gage-body, which may be utilized to fit against and follow the wall of a slot or recess when the projection is inserted therein, the marking-tool copying the outline of said wall as the gage-body is moved along the work and the V-shaped shoulder entering any irregular parts of said outline.

Threaded into the V-shaped end of the body and through the projection 8 is a screw 9, having a conical point 9' for accomplishing a purpose hereinafter described.

Mounted for movement upon the upper surface of the gage-body is a slide, (designated by the numeral 10,) said slide having a guide 10<sup>3</sup> fitting in the slot 5' and also having an offset or arm 10', in which a socket 10<sup>2</sup> for the reception of a scribing-tool 12, Fig. 2, or a pencil 13, Fig. 3, is formed, and this slide is perforated to receive the threaded shank of a screw 14, which passes loosely through the perforation and enters the threaded bore of a clamping piece or nut 15, fitted on longitudinal ways 16, formed on the under side of the gage-body. As will be obvious, on grasping the handle 14' of the screw 14 and manipulating said screw the slide 10 may either be loosened to enable it to be adjusted to the desired point along the gage-body or the nut 15 may be caused to clamp the ways 16 tightly and secure the slide in any desired position.

Threaded into the socket 10<sup>2</sup> of slide 10 is a screw 17, having a milled head 17', and by manipulating this screw the pencil or scribing-tool, if the latter be employed, may be permanently secured therein.

It will be observed by reference to Fig. 1 that the upper surface of the gage is formed on one side with a series of graduations or marks 18, which will aid the operator in setting the pencil or scribing-tool at the desired distance in the slide 5' from the line or object to be copied. This gage may be put to many uses, and if it is desired to circumscribe a circle the pointed end 9' of the screw 9 is used as a pivot, the slide 10 is adjusted to the position desired, and the tool carried by the



slide is swung around said point 9' and marks the work in accordance with such movement.

Should it be desired to copy the outline of a figure or a line of irregular form, the screw 5 9 is withdrawn until its point is within the threaded seat and the point 7 is moved along the surface the outline of which is to be copied, and the pencil or scribing-tool carried in the socket will of course reproduce said outline. 10 line.

If it is desired to have the pencil or scribing-tool indent or mark the work on lines conforming to the exterior of a circle or of an irregular body, the antifriction-rollers 6<sup>2</sup> are 15 held against the surface and caused to follow the same, and the tool held in the socket 10<sup>2</sup> will of course reproduce the outline of such surface. The slide 10 may be reversed or placed end for end from the position shown 20 in Figs. 2 and 3, if desired, thus fitting the implement for a wide range of work.

The invention is not limited to the exact details shown and described nor to the shape of the various parts illustrated.

25 Having thus described our invention, what we claim, and desire to secure by Letters Patent, is—

1. A gage consisting of a longitudinally-slotted body; a slide having a guide fitted in 30 the slot of the body, said slide having an offset arm provided with a socket; a marking-tool adjustably secured in the socket of the arm; the lower end of said marking-tool passing through the slot in the body; and means 35 for clamping the slide to said body.

2. In a gage, the combination, with a body having a longitudinal slot and provided with ways on its under side of an end-for-end reversible slide having a guide fitted within

said slot, and also having an offset arm with 40 a vertical socket for the reception of a marking-tool; a device passing through the slide; and means actuated by said device for clamping said slide to its ways.

3. A gage comprising a slotted body having 45 a point at one end and antifriction-rollers at the other end; a projection located under the point and having a flat face; a screw having a conical point threaded into said projection; and a reversible slide carrying a marking- 50 tool and mounted for adjustment on the body.

4. A gage comprising a longitudinally-slotted body having a diamond-shaped projection with a flat face on its under side; a conically- 55 pointed screw threaded into said projection; a slide fitted on the top surface of the body and carrying a socket in which a marking-tool is mounted; a nut fitted on the under surface of the body; and a screw passing 60 through the slide in the body and entering the nut.

5. A gage comprising a body having a longitudinal slot, the upper surface of said body being graduated; a slide fitted over the surface of the body and a portion of which is 65 confined between the walls of the slot; a screw and nut for securing the slide in position; and rollers mounted on pins projecting from an end of the body.

JUSTUS A. TRAUT.  
JOHN W. GERRY.

Witnesses to signature of Justus A. Traut:  
W. J. WORAM,  
H. S. WALTER.

Witnesses to signature of John W. Gerry:  
WM. B. FOSTER,  
R. BACHELLER.